Criterion E: Product development

Complex techniques used:

1. Technique: Managing the site and templates for wiki pages
2. Technique: Using Wikitext to customize pages and improve functionality
3. Technique: Organizing teams using Excel
4. Technique: Creating the podcast and linking it to the website

Other techniques used:

5. Technique: Manipulating graphics
6. Technique: Using YouTube widgets

At least three complex techniques are used in the wiki. Other techniques that are important for the product are also identified. This page provides a structured approach to the justification that follows.

Organisation of the website (Document object model)

The main page of the Digiteen Compass Website demonstrates the main navigation used.

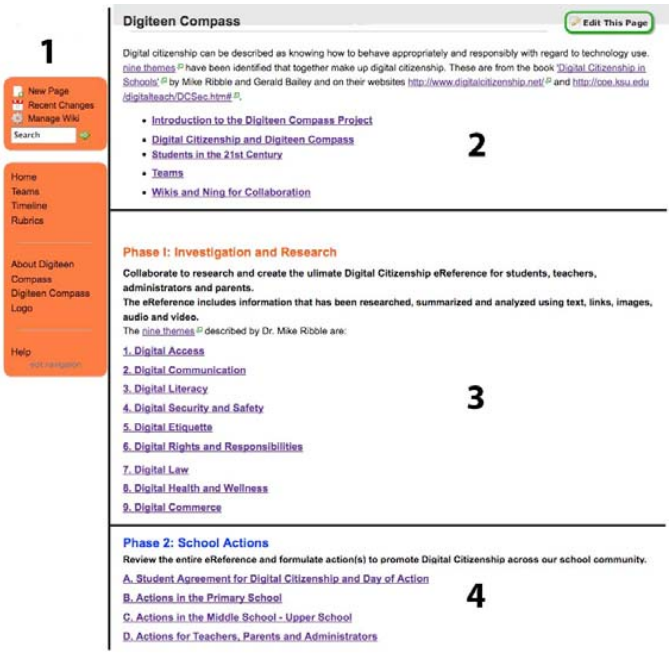
1: indicates the management frame and the navigation frame :

- Teams
- Timeline
- Rubrics
- About Digiteen Compass
- Logo
- Help

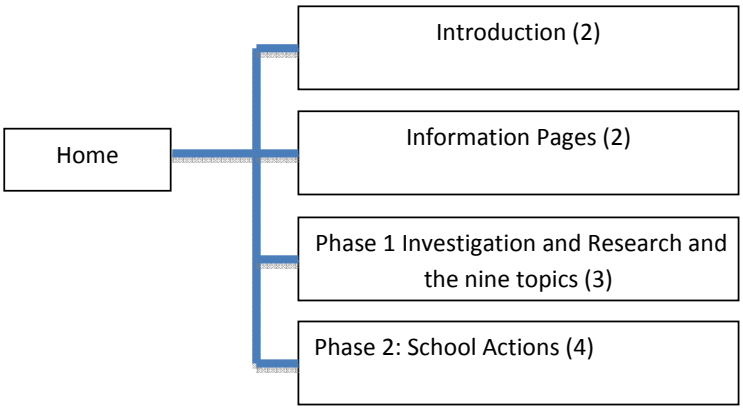
2: Introductory and Information Pages for the Digiteen Compass project

3: Phase 1: the 9 areas for investigation and research by the Grade 8 Students

4: Phase 2: the 4 areas for school action by the Grade 8 students



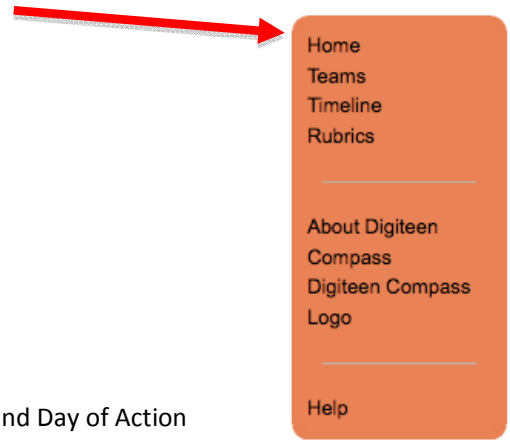
This indicates how the home page of the website http://digiteencompass.wikipspaces.com
Is structured:



The content has been organized in four main groups:

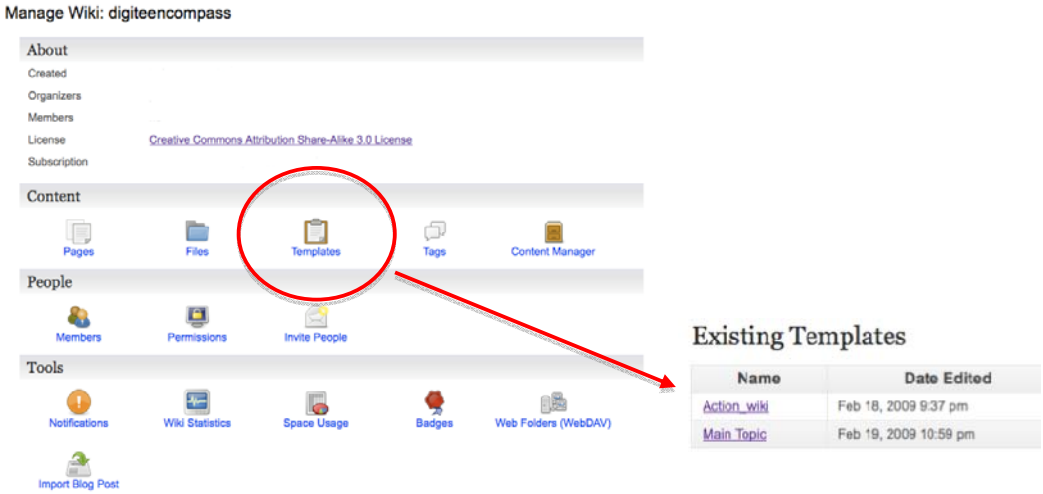
1. Introduction section to the Digiteen Compass Project,
2. Information pages: Digital Citizenship and Digiteen Compass, Students in the 21st Century, Teams, Wikis and Ning for Collaboration.

3. Phase 1 Investigation and Research and the nine topics:
    - Digital Access
    - Digital Communication
    - Digital Literacy
    - Digital Security and Safety
    - Digital Eitiquette
    - Digital Rights and Responsibilities
    - Digital Law
    - Digital Health and Wellness
    - Digital Commerce.
4. Phase 2 School actions:
    - Student Agreement for Digital Citizenship and Day of Action
    - Actions in the Primary School
    - Actions in the Middle School - Upper School
    - Actions for Teachers, Parents and Administrators

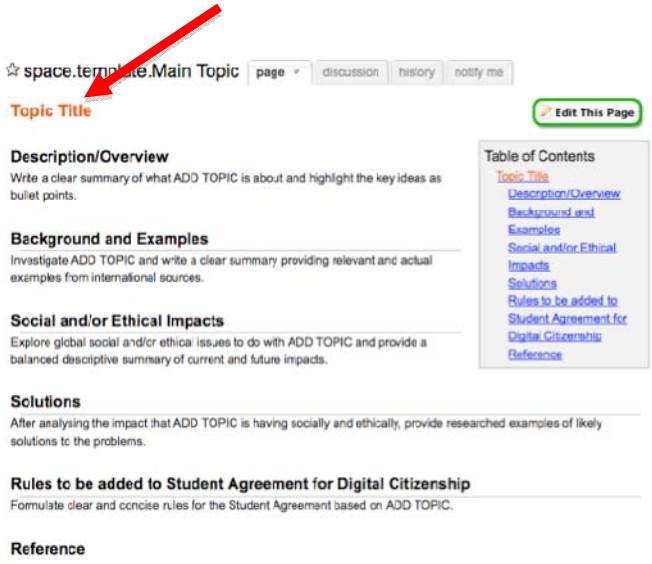


1. Technique: Managing the site and templates for wiki

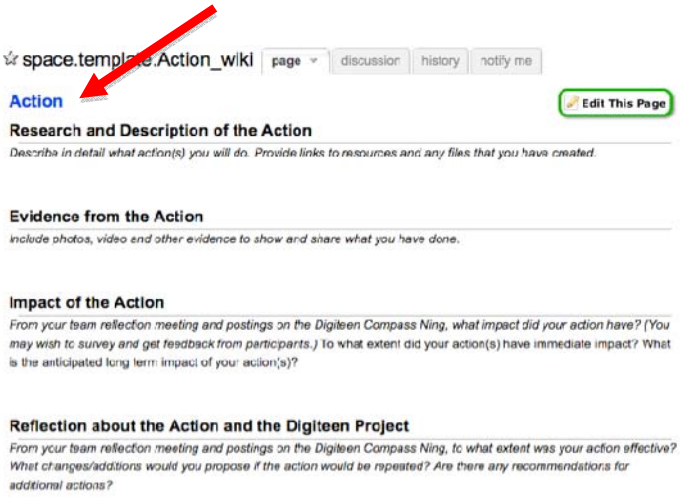
The "Digiteen Compass" wiki is managed using the Manage wiki menu. The template **Action_wiki** and **Main Topic** were used to create the website.



The **Main Topic** template was used to create the templates for Phase 1 Investigation and Research and the nine topics :



The **Action_wiki** template below was used to create the templates for Phase 2 School actions and is used to create the four collaboration pages to be used by the teams.

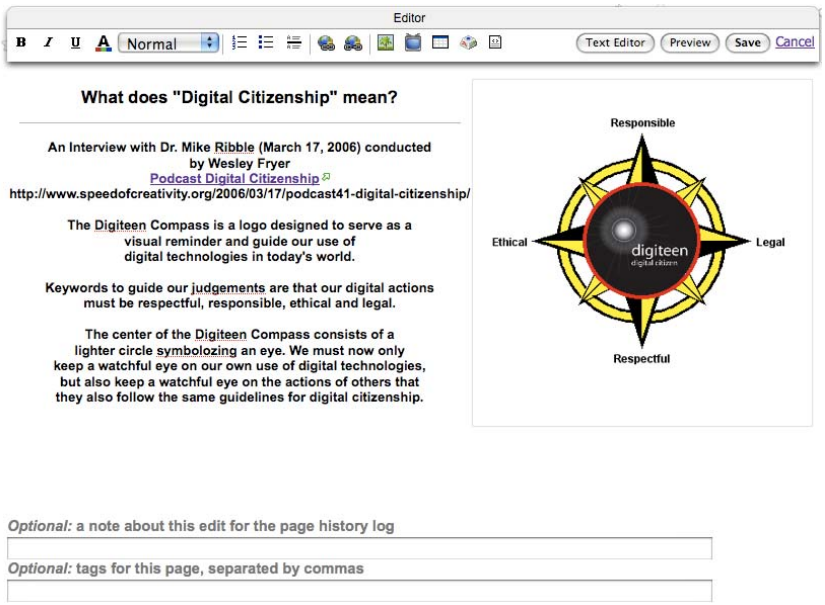


Arrows, circles and other indicators are used to show specific areas of the screenshots. Each screenshot is referred to from the text.

2. Technique: Using Wikitext to customize pages and improve functionality (page X)

It is possible to edit pages using the visual editor and/or the text editor. At times it is necessary to use the Wikitext code in order to edit pages and add functionality to pages. For some reason, the visual editor does not always allow a necessary edit and it is only possible to complete the edit through editing the actual Wikitext. A complete Wikitext guide is available through the Help menu. An example of a webpage and the underlying Wikitext is below.

Screenshot Using the Visual Editor:



The line under ***What does "Digital Citizenship" mean?*** Was not editable in the visual editor, but by understanding and editing the Wikitext, it could easily be deleted using the text editor.

Home > Wikitext

Wikitext is the markup language for wikis. Here you can find out the text markup rules that Wikispaces uses. Remember that you can skip wikitext entirely by using the visual editor. However, if the visual editor is not available (as in certain browsers like Safari), knowing some wikitext could be useful. You might also use wikitext if you would like to format discussion posts or if you would like to add advanced features to your Wikispace, such as anchors or includes.

Table of Contents

Text Formatting
Links and Anchors
Images, Files, and Tables
Media, RSS, and Special Tags
Variables
Includes

Text Formatting

Learn how to format text with wikitext.

Links and Anchors

Learn how to add links to other pages in Wikispaces, other websites, or to certain positions on your page.

Images, Files, and Tables

Learn how to add images, files, and tables to your wikipage using wikitext.

Media, RSS, and Special Tags

See how you can add media, RSS feeds, your signature, source code, mathematics and more on this page.

Variables

Learn how to add dynamic information about your page or wiki, such as the number of members, onto your pages.

Includes

Here you can learn how to embed certain pages or content onto another page. This is useful if you want to include a discussion or history onto a wikipage.

Screenshot Using the Wikitext editor:

Editor

Normal | Visual Editor | Preview | Save | Cancel

```
||~ ==What does "Digital Citizenship" mean?==

----

<span class="wiki_link_ext">An Interview with Dr. Mike Ribble (March 17, 2006) conducted
by Wesley Fryer
</span>[[http://ia310108.us.archive.org/2/items/WesleyAFryerPodcast41DigitalCitizenship
/20060317speedofcreativity.mp3|Podcast Digital Citizenship]]
http://www.speedofcreativity.org/2006/03/17/podcast41-digital-citizenship/

The Digiteen Compass is a logo designed to serve as a
visual reminder and guide our use of
digital technologies in today's world.

Keywords to guide our judgements are that our digital actions
must be respectful, responsible, ethical and legal.

The center of the Digiteen Compass consists of a
lighter circle symbolozing an eye. We must now only
keep a watchful eye on our own use of digital technologies,
but also keep a watchful eye on the actions of others that
they also follow the same guidelines for digital citizenship.

== == ||< [[image:digitalcompasslogo.jpg width="321" height="316" align="left"]] ||
== ==
```

Optional: a note about this edit for the page history log

Optional: tags for this page, separated by commas

Removing ---- in the text editor removed the line.

Also the size of the image **digitalcompasslogo.jpg** and the alignment is controlled by adjusting the Wikitext for **width="321" height="316 align="left"** .

The following shows the Wikitext commands for adding and editing images.

Home > Wikitext > **Wikitext Images, Files, and Tables**

How Do I Add Images in Wikitext?

The syntax for adding and editing images in wikitext is in the below table.

attribute	example	result	description
image:imagename	[[image:www-wikispaces-logo.gif]]	www-wikispaces-logo.gif	include uploaded image
width="pixel"	[[image:www-wikispaces-logo.gif width="20"]]	www-wikispaces-logo.gif	determine width of image
height="pixel"	[[image:www-wikispaces-logo.gif height="80"]]	www-wikispaces-logo.gif	determine height of image
align="left"	[[image:www-wikispaces-logo.gif align="left"]]	www-wikispaces-logo.gif	Float the image to the left and wrap the text around it
align="right"	[[image:www-wikispaces-logo.gif align="right"]]	www-wikispaces-logo.gif	Float the image to the right and wrap the text around it
align="center"	[[image:www-wikispaces-logo.gif align="center"]]	www-wikispaces-logo.gif	Center the image in the middle of the page or table cell
link="page"	[[image:www-wikispaces-logo.gif link="image tags"]]	www-wikispaces-logo.gif	Make the image a link to another page or URL
caption="an image caption"	[[image:www-wikispaces-logo.gif caption="This is the Wikispaces logo"]]	This is the Wikispaces logo This is the Wikispaces	Adds a caption for the image

Table of Contents

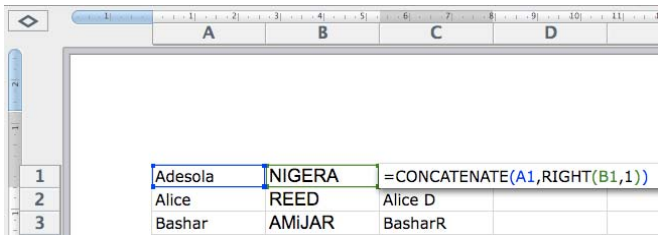
How Do I Add Images in Wikitext?
How Do I Add External Images in Wikitext?
How Do I Add a File in Wikitext?
How Do I Link Images in Wikitext?
How Do I Add Tables in Wikitext?

3. Technique: Organizing teams using Excel

In order to create the names from the school database, the administrator exported the first and last names of all grade 8 students by homeroom into a spreadsheet. The concatenate and right functions in Excel where used to create the anonymized Names for the wiki.

=CONCATENATE(A1,RIGHT(B1,1))

Names on the Digiteencompass wiki are publically viewable and this formula anonymizes the identity of the students.



The B and C columns of the spreadsheet were used to create the 9 teams and to take one person from each team and create the 4 Action teams. Column B was numbered from 1 through 9 and then sorted by alphabetically by column A. Similarly, column C was labeled A through D and again sorted. The result was that this cleverly allowed one member from each of the nine teams to be on each of the four Action teams so that all of the information from the wiki would be represented in an Action.

	A	B	C
1	AdesolaN	1. Digital Access	A. Student Agreement for Digital Citizenship
2	AliceR	3. Digital Literacy	A. Student Agreement for Digital Citizenship
3	Amir AliA	2. Digital Communication	D. Action for Teachers, Parents and Administrators
4	AnandS	6. Digital Rights and Responsiblities	C. Action in the Middle School/Secondary School
5	AnnaA	7. Digital Law	D. Action for Teachers, Parents and Administrators
6	BasharT	1. Digital Access	D. Action for Teachers, Parents and Administrators
7	Basmal	2. Digital Communication	A. Student Agreement for Digital Citizenship
8	BenjaminY	5. Digital Etiquette	C. Action in the Middle School/Secondary School
9	BojanC	4. Digital Security and Safety	C. Action in the Middle School/Secondary School
10	ChristianE	6. Digital Rights and Responsiblities	B. Actions in the Primary School

The following shows the teams and also shows each student which teams they are on.

Teams page discussion history notify me

Phase 1 Teams: Investigation and Research

Edit This Page

1. Digital Access	AdesolaN, BasharT, MariaG, NaveliA
2. Digital Communication	AmirA, Basmal, SumitA, TracyY
3. Digital Literacy	AliceR, MarkusT, MaximusT, SalehaT
4. Digital Security and Safety	BojanC, HennaG, MatthewG, NicolasL
5. Digital Etiquette	BenjaminY, ClaudiaO, KateK, RobinsA
6. Digital Rights and Responsibilities	AnandS, ChristianE, EleanorS, GiuliaO
7. Digital Law	AnnaA, JenniferR, PhilippN, RaphaelT
8. Digital Health and Wellness	FelixG, KarolyneT, MariannaA. Samarl
9. Digital Commerce	HaliunD, LeonardI, LoujeyneN, MoritzR, SybilleH

Phase 2 Teams: Action

A. Student Agreement for Digital Citizenship	AdesolaN,AliceR, Basmal, GiuliaO, KateK, LoujeyneN, MatthewG, MoritzR, PhilippN. Samarl
B. Actions in the Primary School	ChristianE, JenniferR, KarolyneT, MaximusT, NaveliA, NicolasL, RobinsA, SybilleH, TracyY
C. Action in the Middle School - Secondary School	AnandS, BenjaminY, BojanC, LeonardI, MariaG, MariannaA, MarkusT, RaphaelT, SumitA
D. Action for Teachers, Parents and Administrators	AmirA, AnnaA, BasharT, ClaudiaO, EleanorS, FelixG, HaliunD, HennaG, SalehaT

Which teams am I on for both Phase 1 and Phase 2?

AdesolaN 1. Digital Access A. Student Agreement for Digital Citizenship
AliceR 3. Digital Literacy A. Student Agreement for Digital Citizenship
AmirA 2. Digital Communication D. Action for Teachers, Parents and Administrators
AnandS 6. Digital Rights and Responsiblities C. Action in the Middle School - Upper School
AnnaA 7. Digital Law D. Action for Teachers, Parents and Administrators

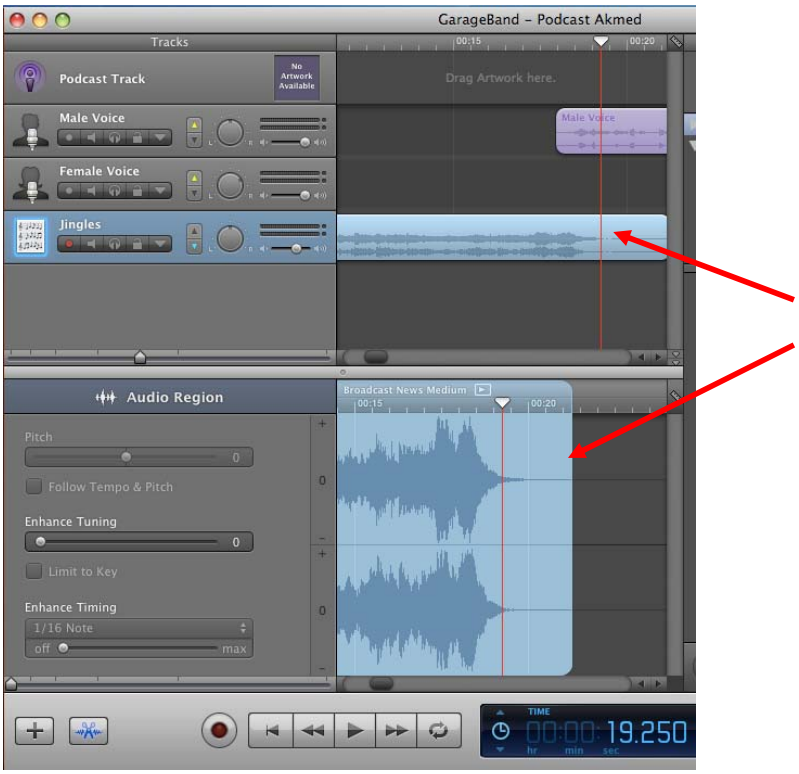
BasharT 1. Digital Access D. Action for Teachers, Parents and Administrators
Basmal 2. Digital Communication A. Student Agreement for Digital Citizenship
BenjaminY 5. Digital Etiquette C. Action in the Middle School - Upper School
BojanC 4. Digital Security and Safety C. Action in the Middle School/Secondary School

ChristianE 6. Digital Rights and Responsiblities B. Actions in the Primary School

4. Technique: Linking podcast to the website

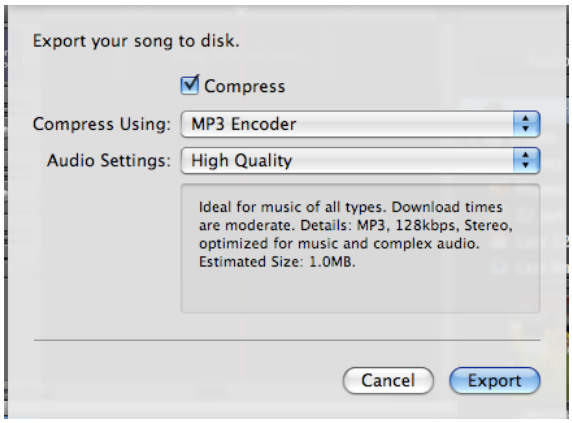
Two podcasts are included on the "Digiteen Compass" wiki. One greeting from Ms. Akmed to join the project and another podcast from an expert on digital citizenship, Dr. Mike Ribble, whose work formed the basis for the wiki.

Garageband was used to include music loops and record Ms. Akmed's voice. There were pauses and breaks in the recording that were edited out of the sound track by highlighting the sound and cutting the parts of the sound track that was not wanted. The sound track runs smoothly now.

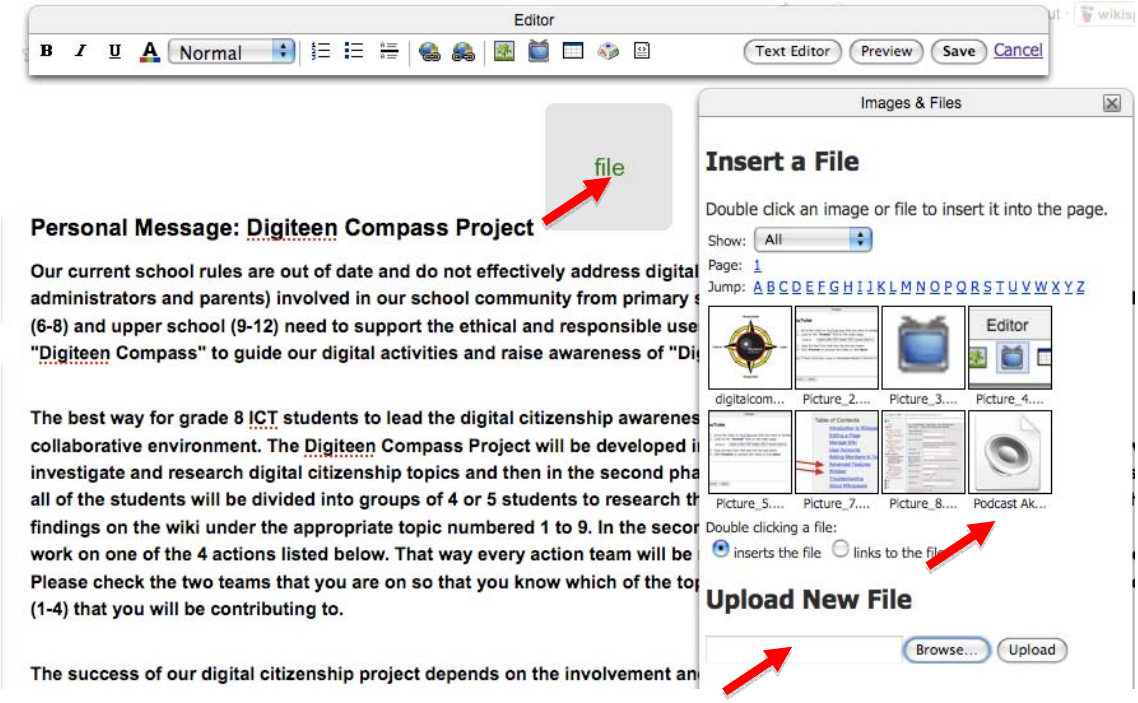


The above screenshot shows the sound track in purple and the same sound track in blue (red arrow). In order to make the podcast exciting, modern news-breaking music loops were added at the beginning and end. It was phased in and out and overlapped with the voice track.

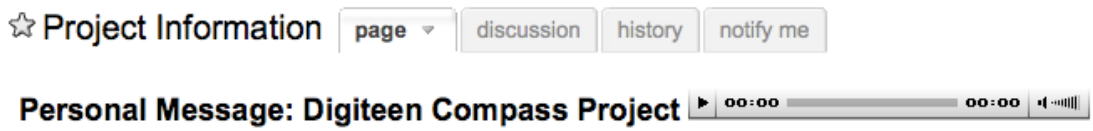
The sound was then exported using the share menu and selecting MP3 encoder and high quality. Since the podcast is not very long, high quality only creates 1.1 MB file.



The podcast then is imported on the page by using the edit tools in the visual editor. First the Browse feature was used followed by Upload. The file was placed within the text when the icon under Insert a File was clicked.



This shows the resulting podcast to the right of the title Personal Message: Digiteen Compass Project.



Second Podcast

Another podcast from the interview with Dr. Mike Ribble by Wesley Fryer was downloaded from the Internet and then linked using the icon on the visual editor to the webpage. Dr. Mike Ribble is the expert who first used the terminology "Digital Citizenship".

17th March 2006

Podcast41: Digital Citizenship

posted in podcasts |

Dr. Mike Ribble recently defended his dissertation at the College of Education at Kansas State University on the topic of Digital Citizenship. In this interview with Mike, he defines digital citizenship, discusses its importance in the K-12 curriculum, and outlines digital citizenship resources he has created online and for print publication. Just as the traditional U.S. school curriculum has sought to help students understand both their rights and responsibilities as citizens of a democratic republic, Mike contends students should learn about their digital rights as well as responsibilities in 21st century society. These topics include Digital Safety, but also extend to Digital Etiquette, Communication, Education, Access, Commerce, and Security.

Program Length: 25 min, 04 sec
File size: 6.0 MB

MP3 PODCAST (Click here to listen to this podcast)

http://www.speedofcreativity.org/2006/03/17/podcast41-digital-citizenship/

The podcast link is shown below:

☆ Digital Citizenship and Digiteen Compass | page | discussion | history | notify me

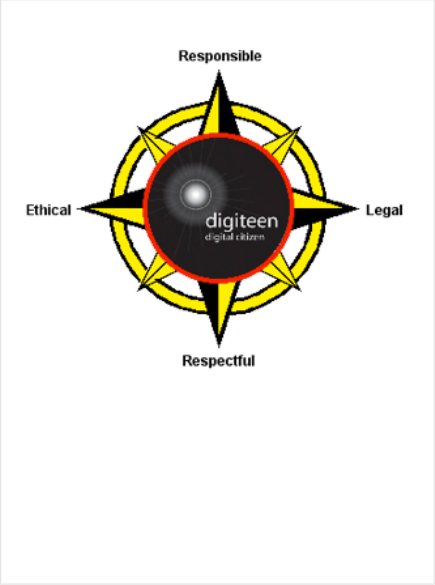
What does "Digital Citizenship" mean?

An Interview with Dr. Mike Ribble (March 17, 2006) conducted by Wesley Fryer
Podcast Digital Citizenship
http://www.speedofcreativity.org/2006/03/17/podcast41-digital-citizenship/

The Digiteen Compass is a logo designed to serve as a visual reminder and guide our use of digital technologies in today's world.

Keywords to guide our judgements are that our digital actions must be respectful, responsible, ethical and legal.

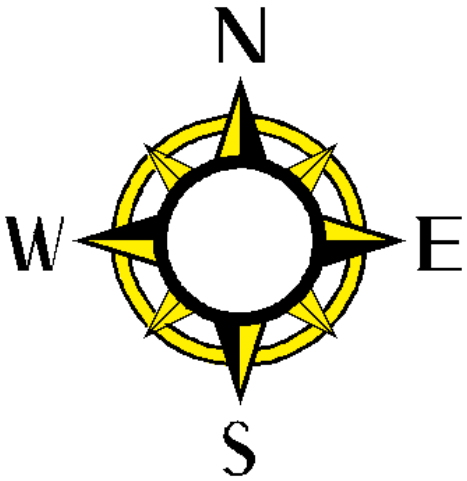
The center of the Digiteen Compass consists of a lighter circle symbolozing an eye. We must now only keep a watchful eye on our own use of digital technologies, but also keep a watchful eye on the actions of others that they also follow the same guidelines for digital citizenship.



Sources are cited appropriately on the web page.

5. Technique: Manipulating graphics

The digiteen digital citizenship logo was downloaded from the Internet and a logo for digiteen was created by a grade 8 student using Adobe Photoshop. The two were combined with text to create the digiteen compass logo. The letters N – E – S – W were replaced by digital citizenship concepts.



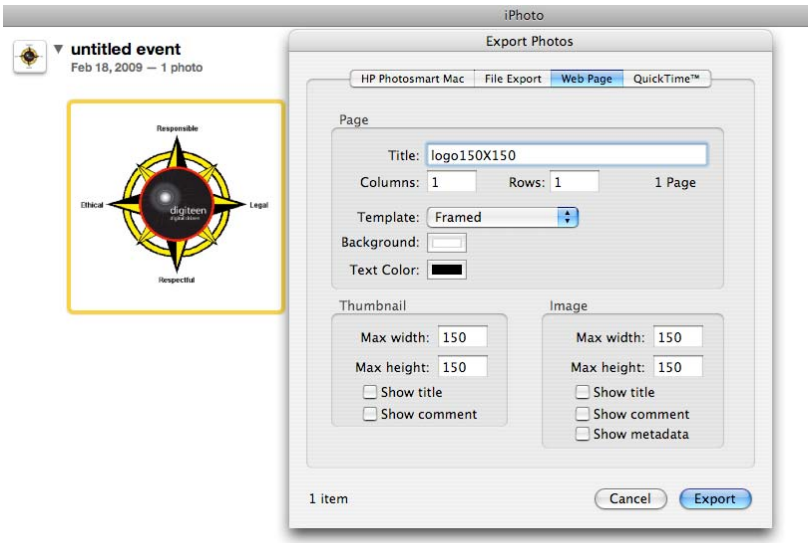
http://www.molsci.csiro.au/library/gifs/compass.gif

Sources are cited appropriately.

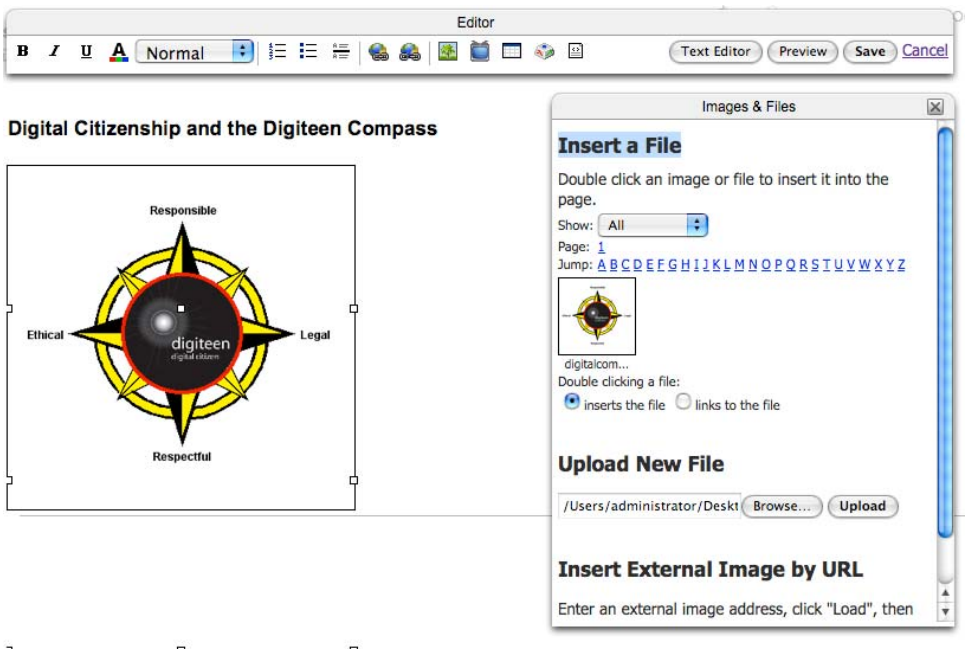
Image created by a Grade 8 student for a digiteen project using Adobe Illustrator. Copyright free.

The image is particularly effective because it appears to be an eye somewhat showing that we should keep an eye on our digital activities and also on others.

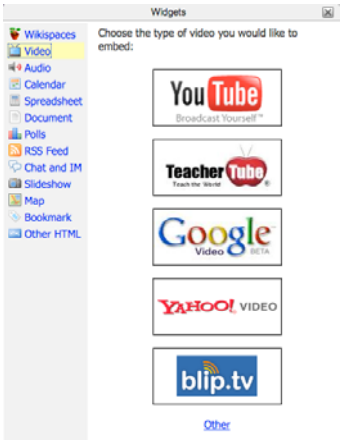
The size of the logo was changed so that it could be used in the top left corner of the website as well as used as a logo on the website. This helped to unify the theme of “digiteen compass” throughout the website.



The logo was uploaded to the website using the upload images and files icon. First you have to use the browse and upload buttons in the right window. Then click on the icon under “Insert a File” to place it on the wiki page.

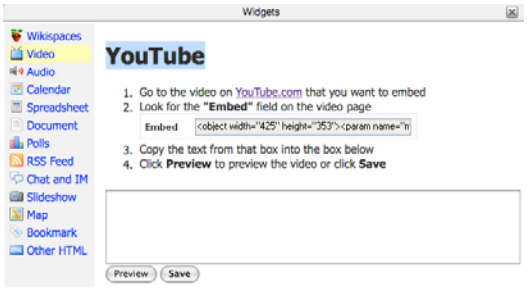

Editor
Normal
Text Editor
Preview
Save
Cancel
Digital Citizenship and the Digiteen Compass
Responsible
Ethical
Legal
Respectful
digiteen
Images & Files
Insert a File
Double click an image or file to insert it into the page.
Show: All
Page: 1
Jump: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
digitalcom...
Double clicking a file:
inserts the file
links to the file
Upload New File
/Users/administrator/Deskt
Browse...
Upload
Insert External Image by URL
Enter an external image address, click "Load", then

6. Technique: Using YouTube widgets

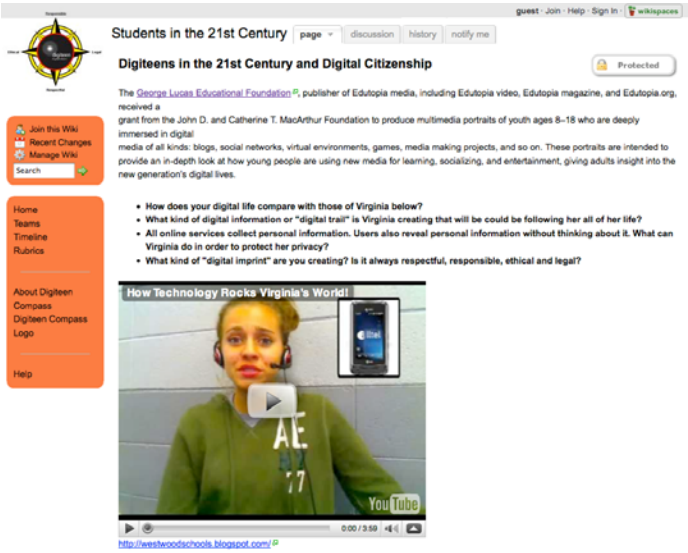


The widget for the YouTube video was included by using the visual editor and clicking on the icon and choose video from the left frame.

Select YouTube and copy the embedded code from the desired YouTube page.



When the wikipage is saved. The video will be displayed on the page. This video could have been re-created, but it would not have been as effective. This video has already been recognized for its quality and has won a prize from Edutopia.



Word count = 925

8 marks
The structure of the complex product and the choice of techniques used to develop the product have been fully justified. The level of complexity has been correctly identified and sufficient screenshots have been used. Sources are cited appropriately.